

New DB Solicitation

Objectives. Develop a quantity of databases, up to 12, to be compatible with the KC135 Aircrew Training System (ATS) and KC10 ATS VUE visual systems and delivered in the FY06-07 timeframe.

Background. A number of ESIG-4530 image generator databases currently are in use by the KC135 and KC10 ATS programs. Additional databases are planned to be developed to support tactics and other tanker scenarios. Those contractors interested in performing these tasks should respond accordingly.

Tasks.

1. Develop TBD new KC10 and KC135 ATS ESIG-4530 image generator databases. TBD is currently estimated to be 12, however, the final number is dependent upon training requirements and/or funding.
2. Update the Database Design Document (DBDD) describing the KC10/135 ATS databases.
3. Provide acceptable Quality Assurance and Configuration Management oversight and support of these databases.
4. Provide updated copies of the executables, source data, integrated source data, and updated DBDD to the KC10 and KC135 ATS programs.
5. Integrate these databases onto the KC10 ATS program working with the current ATS contractor to perform this task.
6. Integrate these databases onto the KC135 ATS program working with the current ATS contractor to perform this task.

Assumptions and qualifications.

1. All KC10 and KC135 ATS visual systems are identical with regards to the databases. There are a total of 19 KC135 ATS Operational Flight Trainers (OFTs) and 4 KC10 ATS Weapons System Trainers (WSTs). Each OFT/WST visual system consists of a five (5) channel ESIG 4530 Image Generator (IG) and the corresponding 5-channel WIDE type calligraphic display system with PHEBUS projectors.
2. The KC10 and KC135 ATS IGs are RealFog, calligraphic, and photospecific texture capable.
3. Prospective contractors must have experience in ESIG IG databases including the use of EaSIEST. Prospective contractors must have or be capable of obtaining the necessary computational equipment and tools to perform all database development, configuration management, and quality assurance.
4. Integration activities on the KC135 ATS system must be done at Altus AFB in conjunction with the Training Systems Support Center (TSSC) activities as run and maintained by the current ATS contractor.
5. Integration activities on the KC10 ATS system must be done at Travis AFB in conjunction with the Mission Support Center (MSC) activities as run and maintained by the current ATS contractor.
6. Definition of the content of the new databases will be done via Database Integrated Product Team (DB-IPT) meetings. These DB-IPTs are assumed to be at the contractor's facility. Government Subject Matter Experts (SMEs) will be provided by the KC10 and KC135 programs to define the content. The Ogden TSPG Program Office will provide the necessary technical and management oversight.
7. The selected contractor will be responsible for obtaining the necessary raw data for the databases. Raw data includes, but not limited to, airfield information and photos, flip charts, desired database feature information and photos, and Photospecific imagery of the airfield areas. AF SME will assist on a limited basis.
8. The databases will have the same design criteria as the current 26 VUE databases.